DELASCAN

County of Los Angeles, Department of Arboreta and Botanic Gardens

Bimonthly Newsletter

February 10, 1969

RAIN, RAIN, RAIN

Record precipitation during the month of January caused damage at all Department facilities. Descanso Gardens suffered $40,000 damage from a mudslide that filled all streams, ponds and debris basins, depositing six inches to two feet of mud in the Lucy Hester Garden. Superintendent Mark Anthony estimates that complete cleanup may take a year.

At South Coast, extensive preparations last summer prevented major damage; however, roads were damaged by run-off. Damage is estimated at $6,000.

Damage to the Lux Arboretum has not yet been fully estimated, since all roads were washed out.

Faring best, the Arboretum lost several trees, including the historic date palm by the Hugo Reid Adobe. Erosion damage was light. Rainfall at the Arboretum totalled 20.49 inches for January, 22.43 inches for the season.

A hailstorm the morning of February fifth caused extensive damage to Arboretum greenhouses, breaking over 140 windows and damaging many plants.

Cleanup operations are underway at all facilities and are expected to continue for some time.

NEW INSTRUCTIONS WILL PROVE VALUABLE GUIDE

Departmental Instruction #1 and Administrative Instruction #18 have been prepared to provide employees and supervisors with standards for performance and a uniform discipline code.

Lee Wakeman suggests all employees read these instructions, which are available from supervisors.

COMING EVENTS

Arboretum - Temple City Camellia Show, February 22 & 23.

Descanso - Theodore Payne Foundation Lecture, February 19, 8 PM.

HELLOS, GOODBYES, AND CONGRATULATIONS

The Department wishes to welcome five new employees and announce the transfer or promotion of four others.

At South Coast, William Crume and Jerry Tooley are new Grounds Maintenance Men. Bill Kennon has been promoted to Arboretum Gardener and James Terukina to Senior Grounds Maintenance Man.

Descanso Tree Trimmer Ass't. Robert Hamilton has transferred to Parks and Recreation. Frank Perdomo will transfer from the Arboretum to fill this Descanso vacancy.

At the Arboretum, Michael Williams is a new Tree Trimmer Ass't. Sabine "Sam" Puopulo brings the Custodial Unit to full strength, and Robert Erny rounds out the Arboretum Tour Guide permanent staff. Richard Ferguson is a new Arboretum As-Needed Tour Guide.

EDUCATION PROGRAMS EXPANDING

Education Chief Dr. Duane Crummett announced 19 adult education classes, 12 at the Arboretum, 5 at Descanso and 2 at South Coast. Classes range from Flower Arrangement to Biology and Control of Residential Area Pests. Classes are offered in cooperation with UCLA Extension, PCC, the California Arboretum Foundation, Descanso Gardens Guild, and the South Coast Botanic Garden Foundation. Classes schedules are available at the Gatehouse.

An eight by twelve storage structure at Descanso and two redwood potting benches at South Coast are new additions to Youth Education equipment.

Gertrude Woods reports 218 children registered in classes at the three facilities. In addition, three sessions have been scheduled for a mentally retarded eighth grade class. Volunteer help totalling nearly 24 hours a week lightens the teaching load of Youth Education staff.

Arbor Day (March 7) plans are proceeding on schedule, with seedlings growing, guests accepting, printing of brochures, and assurance from the weatherman that this year will not be a wash-out.

BIRDS

This winter has proven one of the most productive for birdwatchers. Many rare migrants and many birds seen only a few times in the state are turning up with amazing frequency in southern California.

At the Arboretum, several rare birds have been sighted, including a Ross' Goose, a White-throated Sparrow, a Harris Sparrow, Bohemian Waxwings, a Swamp Sparrow, and a Tree Sparrow. Anyone walking the grounds in the afternoon will find literally thousands of Robins on grassy areas. The Pasadena Audubon Society keeps tabs on Arboretum birds, with Audubon members on the grounds nearly every day. The rare birds listed above have attracted birdwatchers from all over the state.

At South Coast, two White-winged Doves were sighted recently. Bird life will undoubtedly increase as do plantings.

At Descanso, the Bird Observation Station continually attracts a wide variety of birds. This station is also used on Descanso school field trips.

Bird walks are conducted at the Arboretum the first Sunday at 7 AM, at Descanso the second and fourth Sundays at 8 AM.

DELASCAN GETS FACE LIFTING

A new format and more articles signal a new day for the Delascan. Plans for future issues include regular columns, guest articles, and feature articles highlighting the activities of the various divisions.

If you wish to contribute, contact Bob Copper at the Arboretum.

DELASCAN

BIMONTHLY NEWSLETTER OF THE COUNTY OF LOS ANGELES DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

PREPARED BY THE PUBLIC INFORMATION DIVISION FEBRUARY 25, 1969

ARBOR DAY, 1969

March 7 marks an important day for the Department. Programs have been planned for all three facilities which include the ceremonial planting of a tree and distribution of seedlings to children.

March 7 was officially established as Arbor Day in 1909 by the California Legislature, the day being significant because it is Luther Burbank's birthday. Arbor Day also marks the beginning of Conservation Week, celebrated in schools by various programs and projects.

At the Arboretum, a Moreton Bay Chestnut (Castanospermum australe) will be planted in the outdoor flower show area. Bare root 'Aleppo Pine' (Pinus halepensis) seedlings will be presented to children at the conclusion of the ceremonies, which begin at 3:30 p.m.

The guests during the ceremonies will include: Mr. Frank G. Bonelli, Mrs. Patricia W. Bridgers, Dr. Arie J. Haagen-Smit, Mr. Grant Brown, Mrs. Robert Harmon, and Mrs. Joseph King. Mr. Maurice A. Machris, President of the Board of Governors of the Department will act as Master of Ceremonies, and will be assisted by Cadet Girl Scout Troop 49 who will serve as hostesses. Francis Ching will make the welcome address.

Arbor Day at Descanso Gardens will be held at 4 p.m. on Friday, March 7. It is co-sponsored by the Descanso Gardens Guild, Inc. and the La Canada Girl Scouts. An 'Empress Tree' (Paulownia tomentosa) will be planted in the ceremony, and 'Gold Medallion Trees' and 'Aleppo Pines' will be given to children. Additionally, the Descanso Gardens Guild is giving four flowering trees, kind not yet specified, that will flower in each of the four seasons. These trees will be planted at a later date.

Guests will include: Mrs. Samuel Ayres, Jr., Mrs. Gary Hanson, Mr. Ken Delfino, and Miss Karen Stanley. Opening remarks will be made by Mark Anthony. Frank Simerly will serve as Master of Ceremonies.

South Coast Botanic Garden will celebrate Arbor Day with a ceremony featuring the planting of a 'Scarlet Flowering Gum' (Eucaluptus ficifolia), and the same kind of tree will be given to children. Ceremonies begin at 10 a.m. Saturday, March 8.

The entire affair is sponsored by the South Coast Botanic Garden Foundation, who, working with Superintendent Don Woolley, enlisted the aid of six local garden clubs in contributing trees to be distributed.

Guests include: Mr. A. E. Nielsen, Mr. Ralph C. Dills, Mr. Robert G. Beverly, Mr. Burton W. Chace, and Mr. Arthur Arndt. Mrs. Frances (R. O.) Young will serve as Mistress of Ceremonies, and Dr. William S. Stewart will deliver the welcome address.

RAIN DELAYS COMPLETION OF RESEARCH LABORATORY BUILDING

A question in the minds of Research Division staff is when will they be able to move into their new building. Moving day had been set for July, but recent heavy rains have set the timetable ahead an as yet undetermined amount.

Currently, the majority of the Research Division's twelve staff members occupy three small rooms in the Administration building. Other members use the Herbarium and Library as offices while their equipment is stored in almost every building on the grounds, including the Coach Barn. When the new Research Laboratory Building is completed, the Research Division will be able to have their entire staff and all their equipment together in one building thus making possible research studies on a larger scale then they are now used to within a more convenient and useful environment.

At the present time, the Research Division is using its facilities to full capacity. Dr. Cheo recently received a research grant from the National Science Foundation which will enable him, with the assistance of John

Gerard, to study virus infection of tobacco mosaic in plants. Biology Assistant Ken Montgomery is studying field plots for their possible use as fire retardant plants. After surveying various plots, he makes a photographic record of all plants which show some degree of fire resistance. Currently, Mr. Montgomery is collecting atriplex and cistus species to test their flammability differences. Dr. Walker has been studying aphid infestation on plants while Dr. Hanson has been making camellia and hibiscus genetic studies. Dr. Enari aids the public in plant identification, conducts two classes, identifies all plants at the Arboretum, and is now writing a book on ornamental plants. Mr. Griffiths collects, prepares, and identifies specimens for the Herbarium with the assistance of Jeanette Mac Donald. Dr. Stewart, along with his administration tasks, is conducting research on the effects of smog on plants. He has the able assistance of Linda Thorne in this study. Dan Martel and Jack McCaskill, also on the staff of the Research Division, supply valuable information of plant records and weather.

ADMINISTRATION NOTES

A new Grounds Maintenance Man joined the Department this month as Descanso Gardens. The entire Department welcomes Carl Prutton to this position.

On Thursday, March 20, there will be an exam for Grounds Maintenance Man given at the Arboretum. This is an open examination to fill vacancies at South Coast Botanic Gardens and the Arboretum.

Sunday, March 2, and for the following twelve Sundays, KNBC will broadcast a program that covers all phases of the Department's work. The title of the program is "Green Leaves---The Story of Your Arboretum." It begins at 11:30 a.m. and is a public service presentation of the Atlantic-Richfield Oil Company and KNBC.

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ARBORETUM REPLACES JEEP

The California Arboretum Foundation has purchased a Clark Tractor to replace the Jeep as a tram towing vehicle.

A low mileage 1963, the Clark was shipped from Wisconsin to Pico Rivera, where it was cleaned and painted.

This tractor operates on propane or LPG fuel. Studies are underway expected to prove that propane powered vehicles pollute the air less than do gasoline vhicles. Other advantages in using propane are that engine wear and fuel cost per mile are reduced. A 250 gallon tank has been installed to fuel the tractor.

A low-profile vehicle only 97 inches long, the tractor's size can be deceiving. It is capable of pulling 140,000 pounds on level road, and nearly 25,000 pounds up a ten percent grade. A maneuverable vehicle, the tractor will turn within an eighteen foot circle. Maximum speed is 12.5 miles per hour, adequate for tram tours.

In use for some years at Descanso, the Clark tractor has proven to be a durable, efficient vehicle for towing trams.

ARBOR DAY PROGRAMS DRAW RECORD CROWDS

Arbor Day celebrations at all three facilities were better attended than in the past. Over 1600 attended Arboretum ceremonies in near perfect weather, with Descanso and South Coast drawing 1250 and 800 respectively. Most of the attendance was accounted for by the many groups of Girl Scouts, Cub Scouts, Brownies, Bluebirds, etc. present. More than 3500 seedling trees were given to children attending programs.

"GREEN LEAVES"

"Green Leaves", a public service presentation of KNBC-TV and the Atlantic-Richfield Oil Company, is aired every Sunday through May 25 at 11:30 am on KNBC-TV, Channel 4.

The show for March 30th centers on Descanso Gardens, with its stunning camellias, historical rose garden, collection of iris, and Festival of Garden Lights.

On April 6, the topic is plant science. Botanical discoveries from the time of Charles Darwin to the present are featured. Unsolved problems and methods of research are also shown.

1969-1970 LACEA REPRESENTATIVES ANNOUNCED

Los Angeles County Employees Association representatives for the Department for 1969-1970 are:

Jack McCaskill, Chairman
Nat Jackson, Vice Chairman
Ernest Landell, Alternate
Robert Gonderman, Alternate

This delegation will represent the Department at the LACEA Council Cabinet and Council meetings.

Questions about LACEA should be referred to these representatives.

COMING EVENTS

March 28, 29, 30 - Southland Orchid Show
Indoor and outdoor exhibits by professionals and amateurs, with competition in classes. Show theme- "Orchid Mythology" - Arboretum

April 9, 8 pm - Theodore Payne Foundation Lecture - "The Weird Plants of the Vizcanino Desert" - Speaker: David Verity, Museum Scientist, UCLA Botanic Garden - Descanso Gardens

Continuing exhibits on palms and bromeliads, and the history and development of South Coast Botanic Garden - South Coast

PERSONALS

Lost - Timex self-winding calendar watch, wide brown band - return to Lee Wakeman

ADMINISTRATION NOTES

Departmental Instruction #2 will soon be distributed. It provides simple guidelines to aid supervisors in making performance evaluation reports. Also provided are methods for honestly evaluating performance and helping the employee to improve.

ADMINISTRATION NOTES, Cont'd

On April 4, 1969 L. A. County Ordinance No. 9752 becomes effective. This ordinance provides the legal backing for established Department rules.

---contributions to the Delascan may be submitted to Bob Copper.

BIRD NOTES

The four newly-hatched cygnets of the Tasmanian Black Swans and the many nesting birds on the grounds have attracted additional visitors to the Arboretum.

The cygnets hatched on Sunday, March 1, the date predicted by Ross Goodrich, keeper of the birds in the Asian section.

Other attractions in Ross' section include three nesting hummingbirds, who are currently emptying Youth Ed. feeders to satisfy their hungry young.

Much to the surprise of local birdwatchers, another Black Swan, apparently one of last year's young, is nesting near the lower lagoon. Canada Geese have selected nesting spots near the Queen Anne Cottage and at the edge of the upper lagoon, and the Arboretum's "odd couple" (male Snow Goose and female Canada Goose) seem to be looking for a nesting spot. Their one surviving gosling from last year has proved to be a test in identification for many birdwatchers and has attracted the interest of the federal department of fish and wildlife, who say this is the only hybrid of this type whose parentage is known for certain.

Currently, a new bird list is being prepared with assistance from staff and local birdwatchers; and birdwalks are conducted at the Arboretum by the Pasadena Audubon Society the first Sunday of each month at seven am.

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California Poppy - Eschscholzia californica

WILDFLOWERS

The arrival of spring after an unusually wet winter holds the promise of one of the best displays of wildflowers in southern California deserts.

Nearly every desert plant will be in bloom between now and the middle of May, including: California Poppy, lupines, primroses, verbenas, ocotillo, Indigo Bush, Desert Dandelions, asters, Smoke Tree and Joshua Tree. A complete list of where and when is at the Arboretum Gatehouse.

In addition to flowers in bloom in the field, three wildflower displays and shows will be held during April and May:

Lancaster - Antelope Valley Fairgrounds - Wildflower Center, featuring wildflower displays, paintings, maps, and other information. Open 10 a.m. to 4 p.m. daily until May 4.

China Lake - Community Center - Wildflower Festival, wildflowers of the Mojave Desert. Open April 26 & 27, 1 to 9 p.m. Sat., 10 a.m. to 6 p.m. Sunday.

Julian - Town Hall - Wildflower Show. Open daily 9:30 a.m. to 6 p.m. May 10 to May 25.

GREEN LEAVES - ROSES AND YOUTH GARDENING

"Roses" is the title and topic of the April 13 "Green Leaves". The most popular and most hybridized garden flower, the rose has been experimented with since the time of the ancient Persians; but has man really improved on nature?

On April 20 "Green Leaves" highlights Arboretum programs that give children insight into living and growing things in a program titled "Gardening for Youth".

LAST CALL FOR CAMP-OUT

In order to make plans for the Camp-out we need to know how many are coming....So please let Joyce Day know before 5:00 p.m. Friday April 11 if you think you will come.

Bill & Maria Stewart

STAFF

New staff include two new Grounds Maintenance Men at South Coast, Carlos Segui and Edward Carrithers; a new As-Needed Tour Guide at South Coast, Robert Battle; and a new As-Needed Tour Guide for the Arboretum and Descanso, Henry Matson.

Maintenance Man Larry Garrett has left the Arboretum, transfering to Dept. Building Services to be able to attend school during the day.

Filling the position of Librarian at the Arboretum is Margaret (Peggy) Bertram.

DAN MARTEL TO MAKE TELEVISION APPEARANCE

This Sunday, April 13, Dan Martel will be interviewed about the Arboretum on Channel 34, KMEX from 8:30 to 9:00 a.m.

COMING EVENTS

Arboretum - Iris Show April 19 & 20.
- Amaryllis Show April 26 & 27.

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Typical attitude of duck affected by avian botulism.

ARBORETUM WATERFOWL TO BE INNOCULATED

Beginning in the early summer as the water in the Arboretum lagoons becomes warmer, certain organisms reach a peak of growth. As they die and sink to the bottom, they become food for certain bottom-dwelling bacteria. Among these bacteria is Clostridium botulinum (Type C), which thrives in the absence of oxygen and produces as waste a toxin that is poisonous to waterfowl.

The first records of waterfowl botulism date from 1893, when the disease was known as "Western Duck Sickness". In an epidemic outbreak in 1952, an estimated 5 million ducks died from botulism poisoning in the western states.

At the Arboretum, botulism has been known for some time as "Limpneck" or "Limberneck". In the summer of 1968 over twenty waterbirds died of botulism.

Recently, new techniques have reduced the danger of avian botulism, which, incidentally, has never been recorded as affecting man. When practical, innoculation with Type C botulism anti-toxin can eliminate waterfowl mortality from botulism. In May and June, Arboretum waterbirds will be innoculated with anti-toxin supplied by the Pasadena Audubon Society. The anti-toxin provides 3 to 4 months protection and should see the ducks, geese and swans safely through the botulism season.

INSURANCE REMINDER

The Insurance Section of the Department of Personnel has moved to new quarters in the Hall of Administration with the same phone number for insurance problems: 625-3611, Ext. 65667. Employees should deal directly with health plans only regarding claims and, if desired, regarding CPS-Blue Shield enrollment status.

The County contributes $8.00 per month toward the cost of any one health plan for a permanent full-time employee. Employees must enroll within 90 days of their employment or wait for an open enrollment period. It normally takes 60 days from the date of enrollment for health insurance to become effective. In addition, employees should check each warrant stub to be sure that deductions have been properly made.

Requests for further insurance information and payroll deduction problems should be referred to Payroll Clerk Charleen Bastion.



Hippeastrum vittatum

The Southern California Hemerocallis and Amaryllis Society will hold its annual flower show at the Arboretum April 26 & 27. The show will be open Saturday 12 to 5 p.m. and Sunday 9 to 5 p.m.

DAYLIGHT SAVINGS BRINGS HOURS CHANGE

In keeping with past practice, the Arboretum will be open later during the Daylight Savings period.

Effective Sunday April 27, 1969, new hours are: Monday through Saturday 8:00 a.m. to 5:30 p.m.; Sunday 8:00 a.m. to 6:00 p.m.

MOSQUITO FISH DISTRIBUTION BEGINS

In cooperation with the County Health Department Bureau of Sanitation, Entomology Section, the Arboretum will again distribute mosquito fish (Gambusia affinis) to homeowners with a mosquito problem.

Mosquitos lay eggs in water (ponds, puddles, rain-filled cans) which develop into the familiar "wiggler" larvae. These larvae then develop into biting adults.

Mosquito fish can be an effective mosquito control if they are placed in ponds that do not have a bad mosquito infestation. (Ponds with many mosquitos should be drained first.) The mosquito fish will eat the "wigglers", preventing their development into adults. Gambusia are adaptable to most water condition, but require vegetation to provide seclusion for females when bearing their young; and Gambusia are not compatible with gold fish.

Mosquito fish may be obtained at the Information Window Monday through Friday and until noon on Saturday. Distribution will continue through the peak mosquito season, April through October.

GREEN LEAVES

On April 27, "Green Leaves" features Arboretum tests and evaluations of flowering shrubs from around the world in a program titled "Living Bouquets."

On May 4, the subject of the program is "Flower Shows", highlighting special flower shows at the Arboretum sponsored by professional and amateur horticultural societies.

"Green Leaves" is aired on KNBC, Channel 4 at 11:30 a.m. Sunday.

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[May? 1969]

DR. ARIE HAAGEN-SMIT COMPLETES TERM AS PRESIDENT OF ARBORETUM FOUNDATION

After serving nine years as a member of the Board of Trustees of the California Arboretum Foundation and the past two years as president, Dr. Arie J. Haagen-Smit has reached the mandatory end of his term of office.

Dr. Haagen-Smit, the Caltech scientist nationally known for his role in the fight against air pollution, is turning over his gavel and the leadership of the Foundation to newly-elected Ernest E. Hetherington, secretary of the organization for the past two years. A major objective of the new president will be to develop existing plans for a proposed Horticultural Display Hall from the drawing board to reality.

Dr. Haagen-Smit will continue his association with the Foundation as an honorary trustee, joining other trustees who have served three or more three-year terms.

The new president, Ernest E. Hetherington, a resident of Arcadia for 20 years, is president and general manager of Stewart's Orchids, Inc., and well known for his many activities on behalf of the Arboretum.

NEW GENERAL MANAGER OF LACEA APPOINTED

Victor N. Hochee has been appointed General Manager of the 32,000 member Los Angeles County Employees Association, a post he has held on an acting basis since February.

Hochee joined the LACEA staff 12 years ago, and has been involved in most phases of LACEA activities, with special emphasis on representational services.

COMING EVENTS:

ARBORETUM - June 28, 29 - Gladiolus Show
July 3-6 - Cactus and Succulent Show

DESCANSO - June 21 through August 10, 8-10 pm
Festival of Gardens, Lights, and Fountains

LIBRARY ANNOUNCES NEW POLICIES

Librarian Peggy Bertram would like the staff to know that the library now has a special staff reading table for periodicals. New periodicals are placed on the table when they are received, and are rotated when new issues are received. It is hoped that this system will make it easier for staff to keep up with current literature.

The new book policy has also been changed to allow for more efficient use of new books. They may be borrowed by staff for two days (one week for Descanso and South Coast personnel). If books are needed longer or for permanent loan, please contact the librarian.

The library staff invites the staff to visit the library and requests cooperation in the return of books on time.

The library is open Monday through Friday from 9 am to 5 pm, and is available for staff use from 8 am. The library will be closed Saturday until September 15.

GIFT AND BOOK SHOP OFFERS WIDE VARIETY

Gifts ranging in price from 10¢ to $10, from bamboo flutes to books on native plants can be found in the California Arboretum Foundation Gift and Book Shop.

Operating for visitors and staff, the Gift Shop carries items appealing to every age and interest. Many gifts are souvenirs, reminders of a day spent at the Arboretum. These include post cards, ceramics, slides, and a variety of peacock items - feathers, eggs, scarves and jewelry.

The Gift Shop also offers an excellent selection of books. Over 50 different titles in the Sunset Books series are for sale for $1.95, covering everything from bonsai to outdoor lighting. A rather complete selection of the Golden Book Nature Series is available, including guides to non-flowering plants, pond life, trees, and insect pests. More closely associated with the Arboretum is the literature on the Rancho Santa Anita and its owners, and the Foundation's quart-

(GIFT SHOP CONTD.)

erly publication, Lasca Leaves. Other popular books are the Sunset Western Garden Book, a series on flowering trees, shrubs, vines and groundcovers, and a number of books from the University of California Press.

The Foundation invites the staff to peruse their newer material, and reminds us that a 25% discount on all books is available to staff.

SOMETHING TO THINK ABOUT -

Commencement message of Ivan Hinderaker, Chancellor, University of California at Riverside

It is necessary for us to provide an equal chance for all who want to build, an equal chance for all who want to earn the respect of others, an equal chance for all to express themselves in the ways most meaningful to them, an equal chance to feel and to know pride in one's person and in one's culture.

It is necessary for us to decide what we want to accomplish. If we don't want to get anything done, then it doesn't matter much how we do it. If we do want to get something done, then it matters very much how we do it.

It is necessary for us to protect the integrity of UCR from those who despair so deeply or whose anger is so uncontrolled that the overriding emotion is hate; the overriding goal destruction. Such protection cannot be insured by force. Chiefly, our campus is protected through the voluntary consent of its members. For that to be possible, individuals must respect the rights of other individuals. They must respect UCR. There must be a feeling by individuals that they have a personal stake in the success of UCR. There must be enough of all these things so that consent in voluntarily given.

I appreciate the dedication of UCR students to constructive achievement. They have concerned themselves with both their needs and my problems. They have generated both constructive criticism and constructive pressure. They have shown respect for their fellow students and for the needs of the whole campus.

Our goal is the creation of a community which is, in every sense, worthy of the name "university." I think we have made a start.

JEEP UP FOR BID

The California Arboretum Foundation announced that its Willys Jeep will be offered for sale.

The sale will be conducted by closed bid, minimum $1000. Bids may be submitted to the Foundation office at the Arboretum.

NIGHT LIGHTING FESTIVAL

At dusk on Saturday June 21, lights of various kinds and colors were switched on at Descanso Gardens, signaling the beginning of the 6th biennial Festival of Gardens, Lights and Fountains. From that magic summertime hour until August 10, the century-old oak forest and the colorful shrubs, flowers and lawns will form the background for 25 separate garden areas created by southern California's best landscape architects, lighting specialists, and designers of outdoor furniture.

In keeping with this year's celebration of California's bicentennial anniversary, the dominant mood will be Spanish, with patios and ornately tiled pools and fountains suggesting California as it was in the days when Jose Maria Verdugo was patron of a huge Spanish land grant.

As in the past, the Festival is expected to attract close to 100,000 visitors, many of whom will make their visit a day-long outing in order to enjoy some of the Garden's other attractions. There is, for example, a bird-watching station which affords a close-up view of a feeding station. There are the world-famous rose gardens and, for a bit of relaxation and refreshment, the Oriental Tea Pavilion and surrounding Japanese garden.

The purpose of the Festival, which is sponsored by the Descanso Gardens Guild, Inc., is to demonstrate the latest ideas in garden and patio design, technically and esthetically, for the benefit of home owners and builders. This year's exhibits have been designed with the practical needs and financial considerations of the average homeowner in mind.

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STAFF WELCOMES NEW LIBRARIAN

The position of Plant Science Librarian at the Arboretum has at last been filled. We extend a warm welcome to Margaret Bertram.

Born in Washington, D.C., Margaret, or Peggy as she prefers to be called, has had opportunity to live in many states. As a girl, Peggy travelled a great deal with her family, her father being an Army medical officer. When he retired, the family settled in Baltimore and Peggy left to attend Connecticut College.

After receiving a B.A. in English, Peggy married a doctor and moved to Fort Worth, Texas to raise a family. When her two daughters started school, she returned to school at the University of Texas, where she received an M.A. in library science. After this, she took the position of Senior Librarian at the Children's Science and History Museum in Fort Worth.

Several years ago, Peggy moved to Hawaii where her two daughters attended Punahou School and the University of Hawaii. Here she joined the faculty of Jackson College as librarian. When her daughters finished college, Peggy moved to southern California and entered County service as a Supervising Social Worker. Eager to return to library work, she applied for the opening at the Arboretum.

When asked what she enjoys most in her new job, Peggy replied, "The friendly people and the view from my window." She hopes to encourage greater and more efficient use of the library in the future, especially by students.

Other interests include swimming, theatre-going, and wildflower-hunting in the high desert.

The staff welcomes Peggy and wishes her success in her new position.

COMING EVENTS:

Arboretum - June 28, 29. Gladiolus Show

Descanso - June 21 through August 10, 8 - 10 pm
Festival of Gardens, Lights, and Fountains

HELLOS, GOODBYES, AND CONGRATULATIONS

New staff are Charles Maxwell, Custodian at the Arboretum, Watson Noda, Grounds Maintenance Man at South Coast, and Melvin Foster, Michael Saltzman, Richard Sabados and Phillip Seneschal, As-Needed Tour Guides at the Arboretum.

Michael Williams and Ralph Betts have left the Arboretum, and Calvin Allen has been promoted to the position of Equipment Maintenance Helper.

The staff also congratulates John Valadez and John Provine on their promotions to Grounds Maintenance Foreman and Senior Nurseryman.

BIRD NOTES

As summer approaches, a poor time for birds at the Arboretum, the main attractions on the grounds are young water birds, including four Canada goslings and four Australian Black cygnets. To the dismay of staff and visitors alike, one Canada Goose nest and the nest of the Snow Goose—Canada Goose pair were destroyed one busy Sunday. Gone also from the lagoons is our timid Whistling Swan.

The Pasadena Audubon Society closed its field trip season with an Arboretum walk on June 1. Walks could be continued through the summer except for the shortage of leaders. Any staff wishing to volunteer as walk leaders should contact Bob Copper.

AROUND THE COUNTY

Museum of Natural History -

Exhibit of Plant Hallucinogens - closes June 29.

Story of California History, divided into four periods - permanent exhibit.

Hall of Indians - Western North America - permanent exhibit.

Nature & Art - paintings on glass - closes December 1.

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WESTWAYS, STANDARD OIL PRINTS NEEDED

Historical Curator Patricia Warren notes that many gaps in the Westways magazine collection have been filled, but that many issues are still needed. Any issues from 1941-49 and 57, and some from 1950-56, 58-60, and 1962, 63, 69 would be welcome donations.

The Historical Section is also trying to collect by donation a complete set of the Standard Oil Co. prints of paintings of early California. Different sets are being given weekly at Standard service stations.

BIDS STILL ACCEPTED FOR CAF JEEP

The California Arboretum Foundation is still accepting bids on its 1961 Willys Jeep, which may be inspected at the Arboretum.

COMING EVENTS:

ARBORETUM - Begonia Show, San Gabriel Branch
July 12 & 13, 1-5 pm Saturday,
9-5 pm Sunday.

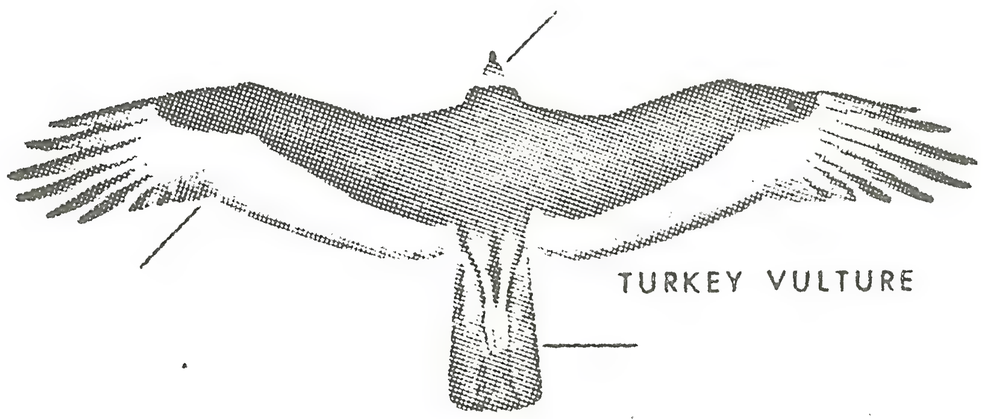
DESCANSO - Festival of Gardens, Lights, and Fountains - through August 10, 8-10 pm daily.

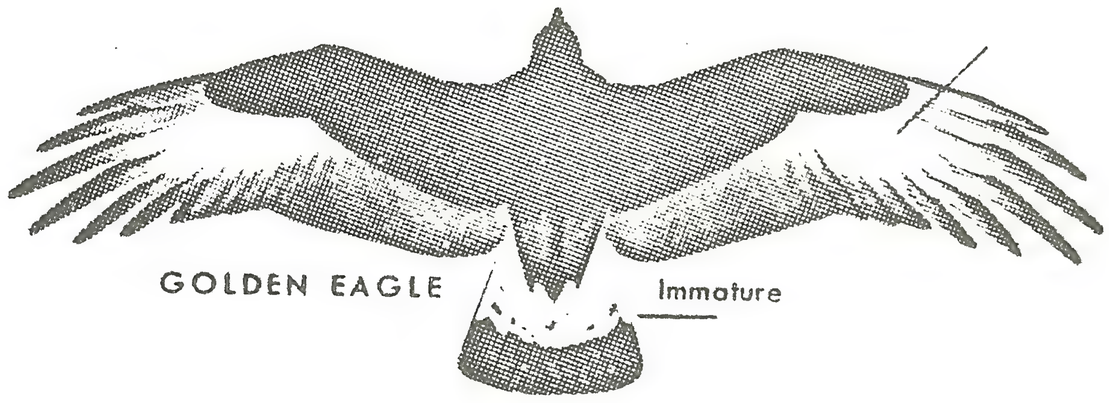
SOUTH COAST - Seventh Annual "Fiesta de Flores"
July 18, 19, 20; 1-7 pm Friday,
10-7 pm Saturday, 10-6 pm Sunday.

-Contributions to the Delascan may be sent to Bob Copper at the Arboretum.

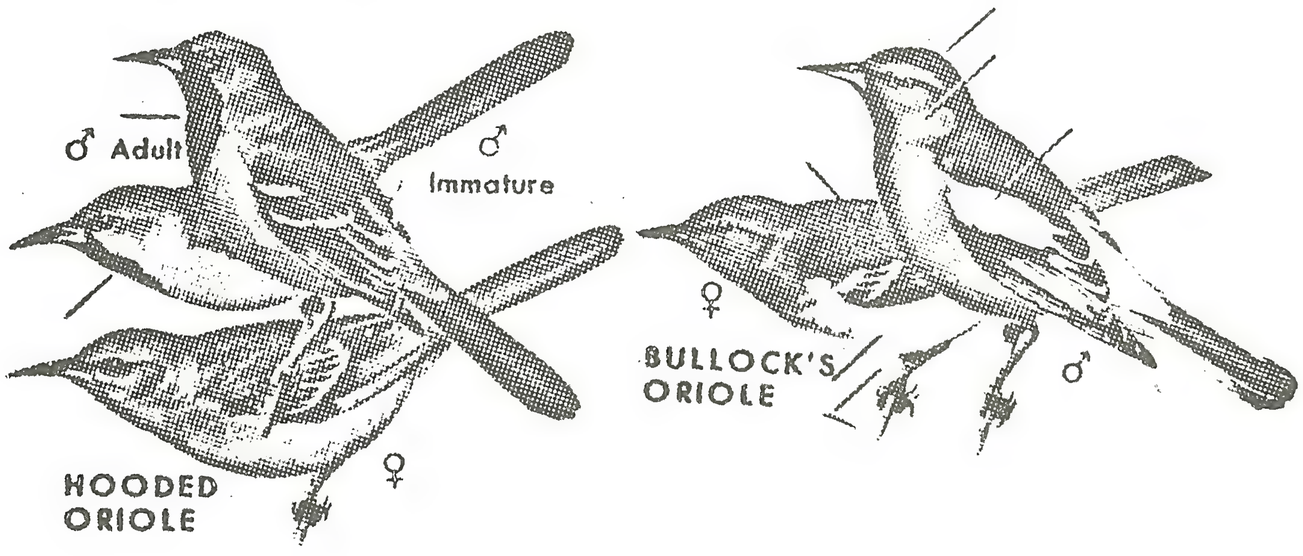
BIRD NOTES

Tallac Knoll has recently proved a good spot for large birds. Besides the crows and barn owls seen regularly in the eucalyptus, a turkey vulture was found perched about two weeks ago. An excellent soarer, the turkey vulture spends most of its day riding thermals on six-foot wings, searching for carrion. It is distinguished from other large birds by its two-toned wings. Also seen near Tallac Knoll was an immature golden eagle, an increasingly rare bird in southern California.





Arboretum Youth Education feeders have been brightened by the regular appearance of Hooded and Bullock's Orioles, who come to drink sugar water from dishes on the feeder.



Los Angeles State and County Arboretum
Arcadia

Descanso Gardens
La Canada

South Coast Botanic Garden
Palos Verdes Peninsula

DELASCAN

bimonthly newsletter of the county of los angeles department of arboreta and botanic gardens

prepared by the public information section

DEPARTMENT OF ARBORETA & BOTANIC GARDENS

JUL 25 1969

FIFTH ANNUAL SPRING MANAGEMENT CONFERENCE (CONT'D)

At the Fifth Annual Spring Management Conference held in June, 1969, the theme "Militancy and Affirmative Management Action" stimulated one of the conference's most productive programs. Twenty special guests were invited who were all minority members employed by the County who could express minority attitudes and problems. The following quote from The Soul of Black Folk by W. E. B. DuBois was used in Herb Carter's opening remarks to drive home the purpose of the meeting:

> "Herein lies the tragedy of the ages. Not that men are poor, for all men know something of poverty. Not that men are ignorant, for what is truth? Not that men are wicked, for who is good? The great tragedy is that men know so little of men."

Following the conference, a Planning Committee headed by Dr. Warner Rottman met several times to discuss the results of the meeting and make clear that their commitment to affirmative action has only begun.

THE DEPARTMENT OF ARBORETA AND BOTANIC GARDENS has never had a policy that would discriminate against any minority group, always having sought in the past to hire and promote the best qualified candidates, regardless of ethnic or religious background.

The Department would like to take this opportunity to set forth its affirmative action program regarding minorities:

1. Make a greater effort in cooperation with the Department of Personnel to recruit in minority neighboorhoods, particularly those closest to Department facilities, including south central Los Angeles, Compton, San Pedro, Pasadena, Pacoima and Monrovia.
2. Make all Department supervisors aware of the Department's position on affirmative action regarding hiring of minority members.
3. Make an added effort to encourage minority employees to enroll in classes that would help them in advancement.
4. Train and counsel minority employees by in-service programs wherever possible, and actively encourage their participation in promotional examinations.
5. State publicly in the Department newsletter the intention of adopting an affirmative action minority program.
6. Investigate all reported minority discrimination and take positive action to correct such discrimination if found.
7. Ask for and accept assistance from the Department of Personnel in the implementation of this affirmative action program.

"FIESTA DE FLORES"

Nearly 7,000 visitors and exhibitors came to South Coast Botanic Garden during the three-day "Fiesta de Flores".

259 aspiring competitors entered over 1,000 exhibits. Among the many prize-winners, trophies were awarded for outstanding horticultural and related interest.

Much credit for success of the show goes to Mrs. Helen Gates, chairman of the Fiesta, and members of the South Coast Botanic Garden Foundation. The staff of South Coast, under the direction of Superintendent Donald Woolley also earned laudations.

--Henry Noerdlinger

COMING EVENTS:

ARBORETUM - Bonsai Show - Akebono Society October 4 & 5.

DESCANSO - Festival of Gardens, Lights, and Fountains continues through August 10, 8-10 pm daily.

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prepared by the public information section — August 8, 1969

DDT

As a result of evidence indicating that chlorinated hydrocarbon insecticides are causing reproductive failures in wildlife, an article in the August issue of Sunset Magazine urges readers to cease using products containing the following chemicals:

DDT	Aldrin	DDD
Dieldrin	Endrin	Heptachlor

The article also suggests that the following products be used only when absolutely necessary:

Chlordane	Lindane	Toxaphene

Sunset found two other chlorinated hydrocarbons that appear to be safe, perhaps because they are not widely used. They are Tedion and Kelthane. A twelfth chlorinated hydrocarbon, Methoxychlor, has not been found responsible for pollution or wildlife damage and is considered safe.

Effective with the August issue, Sunset will no longer accept advertizing for products containing any of the six banned insecticides. Recent revisions of Sunset gardening books list substitutes for chlorinated hydrocarbons, and revisions in progress will eliminate nearly all such products.

The August article explains that other chemicals can be used to control pests, the main difference being that they are not as effective as long as the chlorinated hydrocarbons (long life is a prime objection to the use of DDT and other chemicals) and may have to be applied more often. A chart in Sunset lists what insecticide ingredients should be used against what pests.

Even though DDT has been a hero in eliminating insect pests, some of which carry disease, it has been found that many animals (the bald eagle, peregrine falcon, brown pelican to name a few) have large quantities of DDT in their systems and eggs, and are incapable of reproduction in some areas. Biologist are convinced that these two facts are enough to indict DDT. DDT is known to accumulate in humans also, but there is not yet evidence of biological damage.

Some manufacturers and packagers of DDT and related chemicals maintain that the evidence against DDT is inconclusive, and the biologists are merely making allegations; but Sunset feels that in view of the evidence we cannot afford to debate the question while continuing to use DDT. In use a short 27 years, DDT is now found in increasing quantities around the world in the air, soil, water, plant and animal life.

After receiving information from a battery of 56 biologists, ecologists, zoologists, entomologists, chemists, insecticide manufacturers and packagers, physicians, and home gardeners, Sunset urges its readers to stop using DDT and associated chlorinated hydrocarbons.

STAFF

Three long-term employees have left the Department and have left vacancies that will be difficult to fill. On July 31, Nora Talmon retired after 12 years of service. On August 25, Marie Castleman, with the Department since 1959, will retire. Lorene Johnson, eight years in the Education Division, has transferred to Personnel Dept. The best wishes of the Department go with these three valued employees.

Taking over from Nora is Diana Rodriguez, if you can find her among the stacked-up purchase orders.

Bill Ponder brings the Custodial Unit to full strength. The resignations of three As-Needed Tour Guides over the last three months leaves the Information Section short-handed again. Resigning were Keith Fisher, Melvin Foster and Richard Sabados.

With these position changes is a change of status of another type. Our Librarian is now Peggy (Mrs. Donald F.) Smith. Congratulations from the staff.

LACEA REPRESENTATIVES TO BE ELECTED

LACEA Representative Jack McCaskill informs us there will be an election of LACEA Representative from the Department.

Any employee wishing to serve should submit his name to Jack McCaskill by 4pm Monday August 18.

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WEATHER

It has been said that everyone talks about the weather, but no one does anything about it. This is not exactly true of Dan Martel, Department Plant Recorder and weatherman, who keeps detailed weather records. By interpreting these records, Dan is able to show definite cyclical patterns in area weather.

The records are kept daily on temperature, precipitation, humidity, evaporation (when the evaporation tank is re-installed), and other factors that have influenced the day's weather. Temperature records show that cold weather tends to run in twenty year cycles. Following the normal pattern, temperatures rise for ten years and then creep downward for the next ten. The lowest winter temperature occurs once in the twenty year cycle. The winter just past was the coldest since 1949, and we should soon begin a period of warmer winters.

On the other end of the mercury scale, the year's highest temperatures tend to occur during the months of July through October. The cycle for hot weather is five years, with temperatures climbing for $2\frac{1}{2}$ years and dropping for $2\frac{1}{2}$ years. Contrary to what many people feel, this has been a relatively cool year. Dan says that discomfort from the heat has been due primarily to increased humidity. Gulf storms occurring in two to three year cycles have brought in a low cloud ceiling, adding moisture to the air and raising humidity. Dan also remarked that swimming pools can influence the humidity in areas where they are numerous. If there are two or three pools in a block, their affect on the area's microclimate can be measured. In affluent communities where nearly every home has a pool, the whole community's climate may be changed.

Precipitation, one of southern California's greatest problems this past winter, varies in twenty year cycles. The three years past have been unusually wet years, and we should now enter the tapering-off part of the cycle.

Dan has found these cycles useful in predicting weather, and he adds that exceptions can be seen in every cycle, but average weather tends to follow the trends closely. When asked for a prediction of next summer's weather, Dan said that even though this summer has been relatively cool, the cycles indicate that summer 1970 should be a scorcher. It might be wise to get in on the ground floor at the next air conditioner sale.

- David Van Ausdal

DEPARTMENT OF PERSONNEL ANNOUNCES EVENING CLASSES

Evening courses in the Fall 1969 Civic Center Evening Class Program will begin the week of September 15-18. A wide range of classes is being offered in such fields as supervision, management, secretarial science, American history and government, oral and written communications.

Classes are held in Civic Center government buildings (mostly County facilities) in cooperation with East Los Angeles College and local adult schools. Many courses carry college credit and all are excellent opportunities for the employee who wishes to improve his performance, increase his potential for advancement, or prepare for another field.

Registration for evening courses will take place before school begins and during the first week of class. Students are advised to register early since many classes are limited in enrollment. Counseling is available in Room 493, Hall of Administration from 5-7 pm on September 10, 11, 15 16, 17 and 18, 1969. For more information, call the Evening Class Coordinator at 625-3611, Extension 65222.

PICNIC?

Have you made a reservation for the annual picnic on Saturday September 13? Today is the final day. Contact a Social Committee member, or call Charleen Bastion. Raffle tickets will be on sale at the picnic.

COMING EVENTS:

DESCANSO - Bonsai Show sponsored by the Descanso Gardens Guild, Inc. - September 27, 28

STAFF

New personnel this month include David Fields, a permanent Tour Guide replacing Tom Le Valley who has transferred to Probation Department. Also new in the Information Section are Michael Campbell, Brian Desmond and Raymond Robinson, As-Needed Tour Guides.

JOHN PROVINE ELECTED

On Saturday September 6, Head Nurseryman John Provine was installed as National Vice-President of the National Begonia Society. The Department conveys it warmest congratulations for this honor and also for John's recent marriage.

APOLOGY

The Delascan staff wishes to apologize for the fact that the July 25, 1969 Delascan (carrying the article on the Spring Management Council) was not dated.

HAVE YOU SEEN ...

"Wildflowers of the Monterey Area", "Color on the Ground", "LASCA Leaves", hand-carved wooden animals from Kenya? These and much more are on sale at the California Arboretum Foundation Gift and Book Shop.

PLEASE NOTE:

Due to vacations, there will not be a Delascan on September 25, 1969.

(Cartoons reprinted from the April 2, 1969 issue of "Punch".)

THEODORE PAYNE FOUNDATION LECTURES
TO BEGIN IN OCTOBER

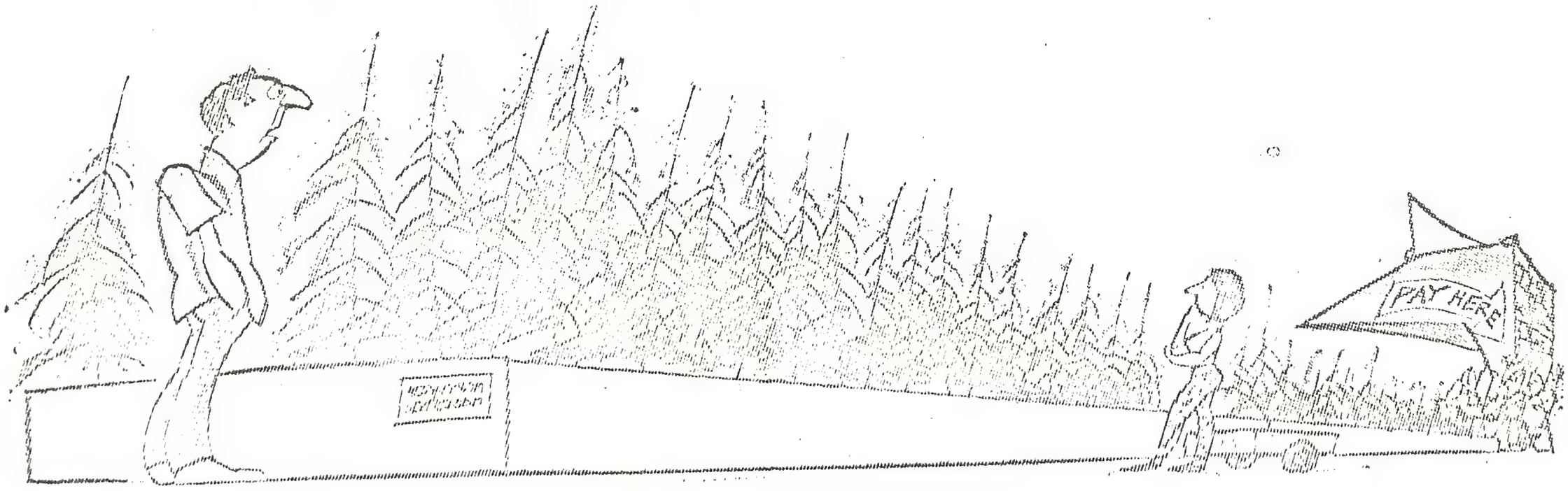
The Theodore Payne Foundation for Wild Flowers and Native Plants, Inc. will present a series of six free lectures in cooperation with the Department. Three lectures will be held at the Arboretum, and three at Descanso Gardens. Listed below is the lecture schedule.

Friday October 24, 1969 - 8:00 pm, Arboretum
The Importance of Natives in Conservation
-Dr. Bonnie Templeton
Wednesday November 12, 1969 - 8:00 pm, Descanso
California Chaparral - Dr. Katherine C. Muller
Friday January 23, 1970 - 8:00 pm, Arboretum
Growing California's Alpine Plants
-James B. Roof
Wednesday February 11, 1970 - 8:00 pm, Descanso
Erosion Control and Fire Retardant Plants
- Dr. Duane O. Crummett
Friday March 20, 1970 - 8:00 pm, Arboretum
California Succulents and their uses
-Mrs. Joyce L. Tate
Wednesday April 8, 1970 - 8:00 pm, Descanso
Wild Flowers, Here and There
-Robert P. Hays

"For that, madam, I'm afraid the only thing I can suggest is euthanasia."



"For Heaven's sake, Joan! When you've seen one Metasequoia glyptostroboides, you've seen them all."



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October 24, 1969

SEASONAL HOURS CHANGE

When Daylight Savings Time ends Sunday October 26, the Arboretum and South Coast will close earlier. The Arboretum will be open daily 8:00 am to 5:00 pm; South Coast will be open Thursday and Friday from 10:00 am to 4:00 pm, Saturday and Sunday 10:00 am to 4:30 pm. Descanso will remain open daily from 8:00 am to 5:30 pm.

BALLOTS

In the uniform ballot, the required majority of 75% was not reached. A new vote on uniforms may be held in one year.

The Arboretum Social Committee wishes to call the attention of Arboretum personnel to the ballot enclosed with today's paychecks.

STAFF AND DISTAFF

The Department welcomes Rise Shirley, ITC at Descanso, Janice Kohler, Intermediate Steno at the Arboretum, Alaine Warren, ITC in the Education Division at the Arboretum, and Carlos Jativa, Plant Research Aid at the Arboretum.

New grounds personnel are Ed Young at the Arboretum and Henry Adams and Dan Pinney at South Coast.

VOLUNTEER FIELD TRIP TRAINING

The Department serves children on school field trips that come from 75 public school districts with an elementary population of nearly 850,000.

To better serve these districts, a volunteer field trip training program has been organized at the Arboretum. Participating are new volunteers interested in serving as field trip instructors, and volunteer and County staff experienced in field trips and other aspects of youth education.

The sessions are being conducted by a number of professional educators from the area, as arranged by M. Gertrude Woods. New volunteer will not only learn field trip facts, but also teaching methods by which to convey these facts Training sessions are scheduled for every Monday morning through December 1. With the numbe of volunteers in attendance and the quality of instruction, the Department will be able to serve local school districts better, not just i terms of number of trips but in quality also.

---contributions to the Delascan may be sent to Bob Copper at the Arboretum.

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ARBORETUM SOCIAL COMMITTEE ELECTION RESULTS

The Arboretum Social Committee has counted ballots cast in the election of representatives for 1970-1972. Results are listed below:

Elected:

Billy Hawk - representative from field
Chuck Hewitt - rep. from field, term ends
Bruce Dustman - rep. from greenhouses 1971
David Van Ausdal - rep. from gatehouse
Janice Kohler - rep. from admin., etc.
Diana Rodriguez - rep. from admin., etc.
Burt Reinsma - representative at large
Alaine Warren - representative at large

49 ballots were cast, including seven write-ins.

The new committee will assist outgoing representatives in preparation of this year's Christmas party. Information about the Christmas party is on a separate sheet enclosed with paychecks.

The Social Committee also wishes to announce that reservations for the party for Dr. Stewart (Friday December 12, 2-4 pm) must be in no later than 4 pm December 10. Reservations are $1.00 each for all staff.

"SOUNDS OF CHRISTMAS" SHOW AT ARBORETUM

Around this unusual theme, the California Garden Clubs, Inc., Arboretum District has developed a unique flower show offering some very imaginative, unconventional exhibits.

The show will be staged at the Arboretum next Saturday and Sunday, November 15 and 16. All the familiar, happy sounds of Christmas will be depicted in flower arrangements and horticultural exhibits. There will be the "Quiet Sounds," such as a snowfall depicted in white carnations, there will be the sounds of prayer, the sounds of bells, music and crackling fire, all creatively presented in a great variety of flower design intended to set the mood for the forthcoming holiday season. A Junior Section for 9-14 year old exhibitors has also been planned.

In the Seminar Room, there will be exhibits on medicinal and cooking herbs, birds' nests and postage stamps featuring bird and flower design. The show is open Saturday 1:30-6 pm and Sunday 10 am -- 5 pm.

VOLUNTEER FIELD TRIP TRAINING

Today at 10 am, volunteer field trip leaders will get their first real expreience on field trips. 167 students from four area schools will be divided into eleven field trips that will be conducted by volunteers. The field trips are divided between nature & conservation, plant science and history, and each trip will be team-taught by the volunteers. An experienced staff member or volunteer will serve as the nominal leader of each trip while volunteers at various stops on the route will handle the field trip content.

Today volunteers will also be asked to think about their commitments to take field trips for the rest of the school year. It is expected that each volunteer will take one field trip a week, which could substantially increase the Department's field trip program.

The training program will end with a final meeting on Monday December 1, after which the staff can expect to see many new faces meeting school buses and conducting field trips.

FOUNDATION NOTES:

Two new excellent books in the Golden Field Guide Series have been added to books on sale at the Peacock Pavilion Gift and Book Shop. They are Birds of North America by Robbins, Bruun and Zim, and Trees of North America by C. Frank Brockman. Both books incorporate a convenient format, with concise text and distribution map on the left page and identification drawings on the right. Birds of North America covers all birds north of Mexico; Trees of North America includes 730 species of native and important introduced trees found north of Mexico. Both books are on sale now for $3.95 in durable paperback.

TOUR GUIDE OPENINGS AT ARBORETUM, DESCANSO

As-Needed Tour Guide positions will soon be open at both Descanso and the Arboretum. For more information, call Don Dimond or Bob Copper. Salary is $24.40 per 8-hour day.

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BOOKS

Great Gardens of the Western World, by Peter Coats; published 1968 by The Hamlyn Publishing Group, Ltd., England. Available in the LASCA Library.

From Peterhof to Alhambra, this new acquisition in the LASCA Library covers thirty-six of the world's most famous formal gardens in 288 pages of text, photographs and garden plans.

Providing not only graphic information about the gardens, the author also indulges in the history of many, as in describing Chatsworth, Derbyshire, England: "The shade of Mary Queen of Scots pervades the park, for she was imprisoned in a house on the same sight. The final tragedy happened at Fotheringhay, eighty miles away, but legends of her baleful beauty linger."

Dealing primarily with formal gardens, their elegantly manicured plantings, fountains and statuary, the book includes only four American gardens, notably the Huntington Botanical Gardens.

With its beautiful plates and well-researched information, Great Gardens of the Western World deserves at least a short inspection in the library.

ARBORETUM VOLUNTEERS COMPLETE PROGRAM

Graduation day for volunteer trainees at the Arboretum arrived Monday, December 1, when Glenn Hiatt handed out certificates of accomplishment to 29 volunteers who have committed themselves to giving one morning a week to service in the field trip program.

The certificates are the culmination of an intensive field trip guide training course that involved eight three-hour sessions in the classroom and the field, working with special education consultants, staff members, and children from area schools.

The volunteers will complement Arboretum staff guides in giving field trips to children primarily of grades 3 to 6 in plant science, nature and conservation, and early California history. New volunteers will not only expand but also improve the field trips by allowing each class to be divided into two groups.

LAST CHANCE FOR CHRISTMAS PARTY

Today is the final day to purchase tickets for the annual Christmas party being held this year at the "Tikis" in Monterey Park on December 20, 7:00 pm to 1:00 am. Tickets are available from social committee members: $5.00 each for Arboretum staff, $6.50 for Descanso and South Coast.

CHRISTMAS BIRD COUNT SET

The Pasadena Audubon Society has announced that the 1969 Christmas bird count will be held on Monday, December 29. The count, which will be published in "Audubon Field Notes," is the most important of the year, providing information for birdwatchers and ornithologists around the world. As before, the count covers all 50 states and Canada. The Pasadena area count covers a 15 mile radius circle, within which lie the Arboretum, Descanso Gardens, McCurdy Nature Center, Legg Lake and the Southern California Audubon Center.

Assistance is needed in making the count, and volunteers should contact Bob Copper at the Arboretum or at 798-8611. A $1.00 fee is required to help cover publication costs.

BIRD NOTES:

Certainly the best time of year for birds, fall at the Arboretum always provides surprises in the form of rare birds. This year, two rarities from last year chose to make a return visit. The Harris' Sparrow and White-throated Sparrow, both eastern species, can be found near "birdwatchers' pond" between the Queen Anne and the Coach Barn. Also seen in the area are two unusual woodpeckers, a Yellow-shafted Flicker, rare at any time of year, and a Lewis' Woodpecker, an unusual visitor at this time of year. A variety of hawks has also been observed, including Red-tailed, Red-shouldered, and a Pigeon Hawk (Merlin). It has been theorized that the Arboretum will have more hawks now that the freeway has taken their former hunting grounds. These new species will join the Cooper's and Sharp-shinned Hawks that seem to be resident on the grounds in controlling the supply of rodents and insects.

-Bob Copper

CHRISTMAS SUGGESTIONS FROM THE C.A.F.

Aside from the large selection of gifts and books, the following three books seem especially well suited for Christmas gifts.

Flower Arranging by Tat, a Sunset Garden Book ($1.95), is an interesting and inclusive guide for beginners in flower arranging. The author sets the stage with general information on plants and materials used in arrangements. Then more specific aspects are discussed, describing different forms and color schemes and how to use them to advantage. A particularly interesting section, "A Classic Beginning," discusses "sho-ka", the classic form of Japanese flower arranging, and gives the reader a good understanding of this ancient form as a basis from which to begin.

The book is well illustrated with photographs and diagrams that are helpful in clarifying instructions and in visualizing the end product.

Your Friend the Tree and Your Friend the Insect (Florence M. White, illustrated by Alan E. Cober; Alfred A. Knopf, New York, $3.50) belong to a rather small group of books that hold interest and enjoyment for adults as well as children. Written in a style that is simple and straight-forward, the books are illustrated by delicate sketches of trees and insects. The simple poetry in which they are written contains practical, unusual and interesting information about these two groups of living things we encounter daily.

STAFF PARTY FOR DR. STEWART

The staff party for Dr. Stewart will be held Friday December 12 in thw Arboretum lecture hall from 2 to 4 pm. All staff are invited, and a $1.00 donation to the Social Committee is requested.

ARBORETUM FLOWER SHOW SCHEDULE ANNOUNCED

The 1970 flower show schedule for the Arboretum has been announced. Copies will shortly be available at the Gatehouse.

March 7, 8 Temple City Camellia Society Show
March 13-15 Southland Orchid Show
March 28, 29 Aril Show
April 18, 19 Iris Show
April 25, 26 Amaryllis Show
May 9, 10 Geranium Show
May 17 Epiphyllum Show
May 29-31 Santa Anita Bonsai Show
June 6,7 Bromeliad Show
June 20, 21 Gladiolus Show
July 3-5 Cactus & Succulent Show
July 11, 12 Begonia Show, San Gabriel Branch

EVENTS & EXHIBITS

ARBORETUM - Display of 20th Century Botanical Art & Illustration from Hunt Botanical Library. Through Dec. 14.

SOUTH COAST - Christmas Decorations for the Home, Thurs. through Sunday.

DESCANSO - Beginning January 5 - Exhibit of Children's Art Work from the L.A. County Probation Department.

ARBORETUM TO GROW ALFALFA

A winter crop of alfalfa will be grown on the unplanted hillock north of the Annual - Perennial Garden to feed hungry waterfowl during the lean winter months. Initiated by Gertrude Woods, the planting program will consist of young volunteers broadcasting seed provided by Francis Ching. The crop of alfalfa will provide food needed during the winter months, when the waterfowl population is greatest and food scarcest.

WHAT'S A KIOSK?

A kiosk is a small many-sided pavilion, according to Webster. In the Arboretum's case, it is a six-sided sign, with individual glass cabinets on each side. According to Don Dimond, the kiosk "provides much-needed sign space and represents a big step forward in our aim of developing attractive, effective signs at each of our facilities. The panels will be used to give information concerning the Arboretum Foundation, the Arboretum, Descanso, South Coast, and selected non-departmental events of general public interest." Aside from being an attractive way to display signs, the kiosk will eliminate the clutter of signs in the entranceway.

STAFF

The examination for As-Needed Tour Guide is being given Monday through Friday at the Hall of Administration at 8:00 am and 12:30 pm. Current openings are at the Arboretum and at Descanso Gardens.

The staff wishes Diana Rodriguez a speedy recovery. We need you to fill all those purchase orders! Diana had an appendectomy and will return to work in a few weeks. In her absence, Charleen Bastion has been handling purchase orders.

DELASCAN

Contributions to the Delascan may be sent to Bob Copper at the Arboretum.